L Number	Hits	Search Text	DB	Time stamp
2	12933	off-hook or off adj hook	USPAT;	2004/04/19 10:27
			ЕРО; ЈРО	
3	6303	on-hook or on adj hook	USPAT;	2004/04/19 10:27
			ЕРО, ЛРО	
4	423799	oscillat\$4	USPAT;	2004/04/19 10:28
			ЕРО; ЈРО	
5	11377	voltage adj detector	USPAT;	2004/04/19 10:40
			ЕРО; ЛРО	
6	4878	(off-hook or off adj hook) and (on-hook or on adj hook)	USPAT;	2004/04/19 10:28
			ЕРО; ЛРО	
1	19	galvanic adj2 isolat\$3 adj2 barrier	USPAT;	2004/04/19 10:32
_			ЕРО; ЛРО	
8	1535	isolat\$3 adj2 barrier	USPAT;	2004/04/19 10:31
			ЕРО; ЛРО	2004/04/10 10 20
9	332	379/399.01.ccls.	USPAT;	2004/04/19 10:32
1,0		(EPO; JPO	2004/04/10 10 22
10	43	((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat\$3	USPAT;	2004/04/19 10:32
1,2	,	adj2 barrier)	ЕРО; ЛРО	2004/04/10 10:22
12	1	(voltage adj detector) and (oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat\$3 adj2 barrier)))	USPAT; EPO; JPO	2004/04/19 10:32
11	22	oscillat\$4 and (((off-hook or off adj hook)) and (on-hook or on adj hook))		2004/04/19 10:35
11	22	and (isolat\$3 adj2 barrier))	USPAT; EPO; JPO	2004/04/19 10.33
13	1080592	voltage	USPAT;	2004/04/19 10:40
13	1000392	Voltage	ЕРО; ЛРО	2004/04/19 10.40
14	22	(oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 10:40
14	22	hook)) and (isolat\$3 adj2 barrier))) and voltage	EPO; JPO	2004/04/15 10:40
15	279180	amplitude	USPAT;	2004/04/19 10:40
'	2,,100	ampirosa	EPO; JPO	200 0 15 10
16	17	((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 10:41
		hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude	ЕРО; ЈРО	
17	983451	ring	USPAT;	2004/04/19 10:41
			ЕРО; ЛРО	
18	15	(((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:51
		hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	ЕРО; ЈРО	
		ring		
23	312799	threshold	USPAT;	2004/04/19 12:55
			ЕРО; ЈРО	
24	6	((((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT,	2004/04/19 12:55
		hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	ЕРО; ЈРО	
	l	ring) and threshold		

L Number	Hits	Search Text	DB	Time stamp
2	12933	off-hook or off adj hook	USPAT;	2004/04/19 10:27
			ЕРО, ЈРО	
3	6303	on-hook or on adj hook	USPAT;	2004/04/19 10:27
			ЕРО; ЛРО	
4	423799	oscillat\$4	USPAT;	2004/04/19 10:28
		•	ЕРО; ЈРО	
5	11377	voltage adj detector	USPAT;	2004/04/19 10:40
			ЕРО; ЈРО	
6	4878	(off-hook or off adj hook) and (on-hook or on adj hook)	USPAT;	2004/04/19 10:28
			ЕРО; ЛРО	
1	19	galvanic adj2 isolat\$3 adj2 barrier	USPAT;	2004/04/19 14:02
			ЕРО; ЈРО	
8	1535	isolat\$3 adj2 barrier	USPAT;	2004/04/19 15:49
			ЕРО; ЈРО	
9	332	379/399.01.ccls.	USPAT;	2004/04/19 10:32
			ЕРО; ЈРО	
10	43	((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat\$3	USPAT;	2004/04/19 10:32
		adj2 barrier)	ЕРО; ЛРО	
12	1	(voltage adj detector) and (oscillat\$4 and (((off-hook or off adj hook)	USPAT;	2004/04/19 10:32
		and (on-hook or on adj hook)) and (isolat\$3 adj2 barrier)))	ЕРО; ЛРО	
11	22	oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj hook))	USPAT;	2004/04/19 10:35
		and (isolat\$3 adj2 barrier))	ЕРО; ЈРО	
13	1080592	voltage	USPAT;	2004/04/19 10:40
i		, 111 AA 1777 ON 1 ON 111 12 17 1 1	EPO; JPO	2004/04/10 10 40
14	22	(oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 10:40
1.5	270100	hook)) and (isolat\$3 adj2 barrier))) and voltage	EPO; JPO	2004/04/10 10 40
15	279180	amplitude	USPAT;	2004/04/19 10:40
16	17	((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	ЕРО; ЛРО	2004/04/19 10:41
10	1/	hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude	USPAT; EPO; JPO	2004/04/19 10:41
17	983451	ring	USPAT;	2004/04/19 10:41
' '	10771	11115	ЕРО; ЛРО	2004/04/19 10:41
18	15	(((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:51
10	''	hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	ЕРО; ЛРО	2004/04/19 12.31
		ring	110,110	
23	312799	threshold	USPAT;	2004/04/19 12:55
-3	3.2777	WILL WELLOW	EPO; JPO	230 110 11 12.33
24	6	((((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:55
- '		hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	EPO; JPO	200,000,17,12.55
		ring) and threshold	0, 0	

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26	0	"658,7560" and detect\$3 near4 amplitude	USPAT;	2004/04/19 14:03
			ЕРО; ЛРО	
27	1	"6587560" and amplitude	USPAT;	2004/04/19 14:22
			ЕРО; ЛРО	
28	2	"6587560" and logic	USPAT;	2004/04/19 14:50
			ЕРО; ЛРО	
29	1	"6587560" and detector	USPAT;	2004/04/19 14:55
			ЕРО; ЈРО	
30	1	"6587560" and oscillator	USPAT,	2004/04/19 15:09
			ЕРО; ЛРО	
31	1	("6587560" and oscillator) and ((off-hook or off adj hook) and (on-hook	USPAT;	2004/04/19 15:06
	ľ	or on adj hook))	ЕРО; ЛРО	
32	1	"20010036263" and third adj level	USPAT;	2004/04/19 15:07
			US-PGPUB;	
			ЕРО; ЛРО	
33	1	"20010036263" and third	USPAT;	2004/04/19 15:09
	-	200,00000000	US-PGPUB;	200 110 117 13:07
			ЕРО; ЛРО	
34	1	"20010036263" and null	USPAT;	2004/04/19 15:09
			US-PGPUB;	2007,07/17 13.07
		·	EPO; JPO	
35	2	"6587560" and (low or high or null)	USPAT;	2004/04/19 15:10
		0307300 and (10w of fight of fidil)	EPO; JPO	2004/04/19 13.10
36	1	isolat\$3 adj2 barrier with voltage adj detector	USPAT;	2004/04/19 16:21
30	1	Isolates adj2 barrier with voltage adj detector	EPO; JPO	2004/04/19 10.21
38	1	"6587560" and voltage near3 detect\$3		2004/04/10 15:54
30	1	0387300 and voltage hears detects	USPAT;	2004/04/19 15:54
39	1	"6597560" and detect\$3 adi3 voltage	ЕРО; ЛРО	2004/04/10 15:59
39	1	"6587560" and detect\$3 adj3 voltage	USPAT;	2004/04/19 15:58
40		#Z5075ZOH 1 14	ЕРО; ЛРО	2004/04/10 16 02
40	2	"6587560" and voltage	USPAT;	2004/04/19 16:02
41		(11550755011 1 11) 11 (12)	ЕРО; ЛРО	
41	2	("6587560" and voltage) and detect\$3	USPAT;	2004/04/19 16:03
40			ЕРО; ЛО	
42	0	isolat\$3 adj2 barrier with null	USPAT;	2004/04/19 16:21
	.		ЕРО; ЛО	
4.0		null ad2 signal	USPAT;	2004/04/19 16:22
43	2252392	nun auz Signar	ЕРО; ЛРО	2004/04/17 10.22

Search History 4/19/04 6:20:06 PM Page 2

			1	
44	19	(galvanic adj2 isolat\$3 adj2 barrier) and (null ad2 signal)	USPAT;	2004/04/19 16:23
			ЕРО; ЈРО	}
45	10	(galvanic adj2 isolat\$3 adj2 barrier) and detect\$3	USPAT;	2004/04/19 16:41
			ЕРО; ЛРО	
46	14	(isolat\$3 adj2 barrier) same (off-hook or off adj hook) same (on-hook or	USPAT;	2004/04/19 17:56
		on adj hook)	ЕРО; ЈРО	,
47	41	("3714540" "4192978" "4417099" "4529845" "4540854"	USPAT	2004/04/19 17:24
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		"6128373").PN.		
48	269	oscillat\$4 and (isolat\$3 adj2 barrier)	USPAT;	2004/04/19 17:56
		, , , , , , , , , , , , , , , , , , ,	ЕРО; ЛО	
49	13	(voltage adj detector) and (oscillat\$4 and (isolat\$3 adj2 barrier))	USPAT;	2004/04/19 18:14
		(6) (((ЕРО; ЛРО	
50	104	("3750024" "3904833" "3981006" "4054941" "4066843"	USPAT	2004/04/19 18:12
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51	1	5369666.pn.	USPAT;	2004/04/19 18:14
		•	ЕРО, ЛО	

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Total Assignments: 1

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Pub Dt: 11/01/2001 Publication #: 20010036263 PCT #: NONE

Inventors: Fabrice Guitton, Andre Bremond

Title: Line take-up detection circuit

Assignment: 1

Recorded: Mailed: Pages: Reel/Frame: 012204/0347

10/03/2001 10/01/2001 12/04/2001

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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Exec Dt: 08/28/2001

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